

FIG. 2

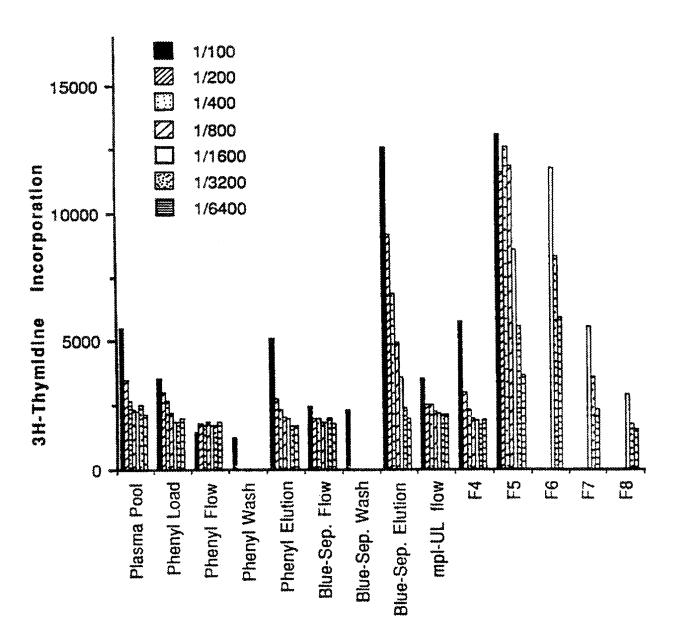


FIG. 3

 $MW \times 10^{-3}$

200.0-

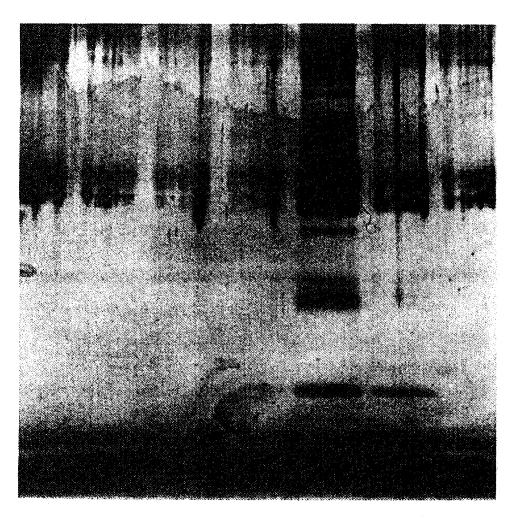
66.3

36.5

31.0

21.5

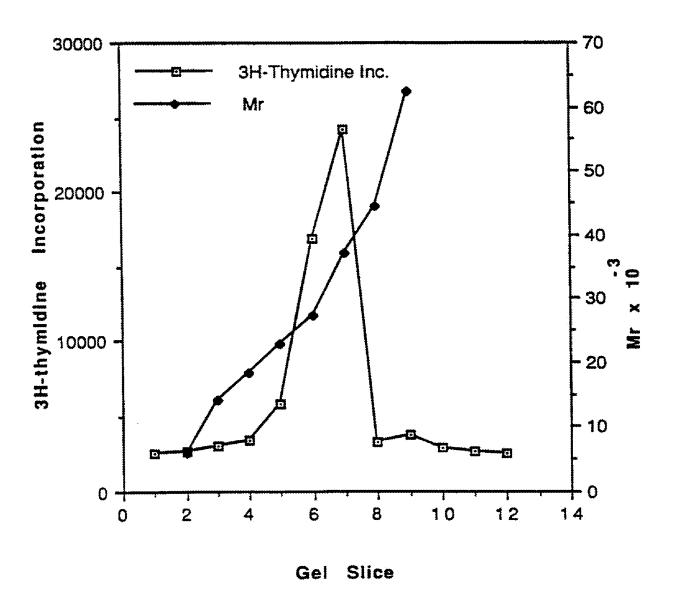
14.4-



2 3 4 5 6 7 8

FRACTION NUMBER

FIG. 4





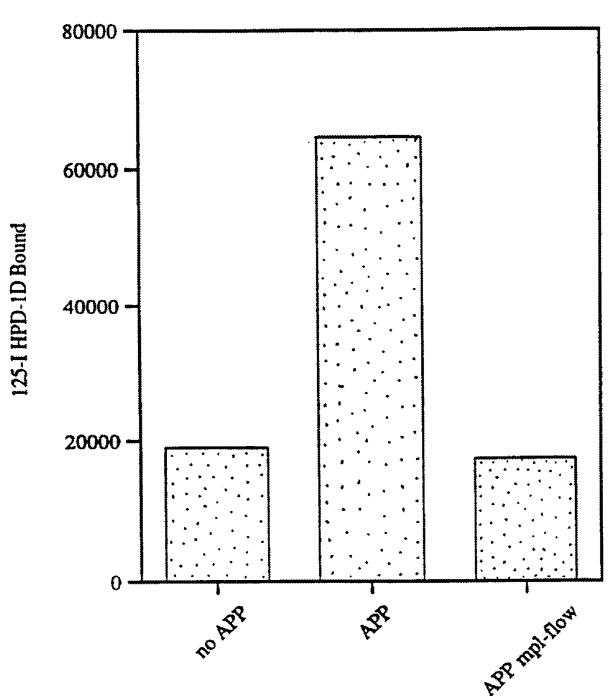
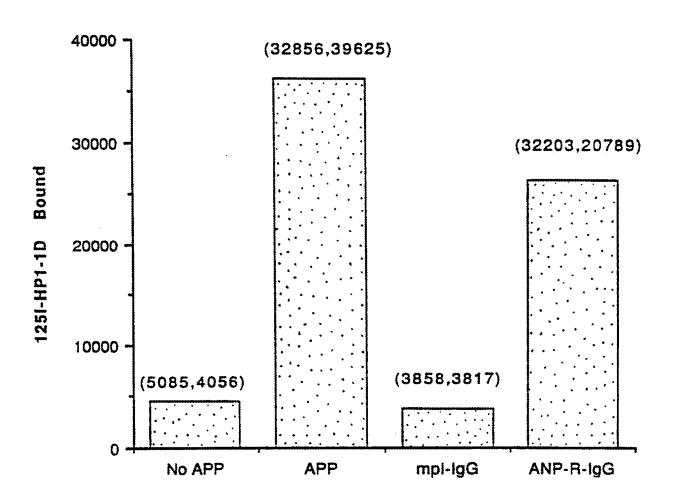


FIG. 6



CTTTCAACCT CACCTCCT CATCTAAGAA TIGCTCCTCG IGGTCAIGCT ICTCCTAACT CTTAAGGACC TTATGGTCGA CTGTTACTAA AGGAGGAGTA GAAAGTTGGA GTGGAGAGGA GTAGATTCTT AACGAGGAGC ACCAGTACGA AGAGGATTGA ᆸ Σ > γ Γ u u GAATTCCTGG AATACCAGCT GACAATGATT TCCTCCTCAT

101 GCAAGGCTAA CGCTGTCCAG CCCGGCTCCT CCTGCTTGTG ACCTCCGAGT CCTCAGTAAA CTGCTTCGTG ACTCCCATGT CCTTCACAGC AGACTGGTGA CGTTCCGATT GCGACAGGTC GGGCCGAGGA GGACGAACAC TGGAGGCTCA GGAGTCATTT GACGAAGCAC TGAGGGTACA GGAAGTGTCG TCTGACCACT S H I Α LLRD × Ω Ω R V P A ρι ď Ω Ŋ ıП

201 GAACTCCCAA CATTATCCCC TTTATCCGCG TAACTGGTAA GACACCCATA CTCCCAGGAA GACACCATCA CTTCCTCTAA CTCCTTGACC CAATGACTAT CTTGAGGGTT GTGAGGGGG AAATAGGCGC ATTGACCATT CTGTGGTAGT CTGTGGTAGT GAAGGAGATT GAGGAACTGG GTTACTGATA

301 TCTTCCCATA TTGTCCCCAC CTACTGATCA CACTCTCTGA CAGAATTAT TCTTCACAAT ACAGCCCGCA TTTAAAAGCT CTCGTCTAGA AGAAGGGTAT AACAGGGGTG GATGACTAGT GTGAGAGACT GTTCTTAATA AGAAGTGTTA TGTCGGGCGT AAATTTTCGA GAGCAGATCT

CT	AG TC	3Cys 17 4A	L40 CHeu NHeu	> < L	r Cen	140 200 200 200	7 S C	aLys GA
TGGCCCGCCT ACCGGGCGGA	GCCACGCCAG CGGTGCGGTC	oProA1; TCCTGC 'AGGACG	ProVall CCTGTC GGACAG	euG1uG TGGAGG ACCTCC	uG1nSe GCAGAGI CGTCTC	/LysVa] AAGGTG(TTCCAC(euAsnG TGAACG, ACTTGC	PheArgAlaLys TTCAGAGCCA AAGTCTCGGT
		la Pr CT CC GA GG	OT hr TA CA AT GT	CT e CC C	Ta CC GG GA	9G 7 7C GA	17 0 Th rl 76 76	
STCACC SAGTGG	YACAGG TTGTCC	arProA 3CCCGG	oLeuPr ITTGCC NAACGG	ThrLeu ACCCTT TGGGAA	euG]yA TTGGGG AACCCC	uLeuAr 3CTCCG 3GAGGC	ValLeu STCCTC SAGGAG	InG1nG AGCAGG TCGTCC
T TC(C CA	GC 75/1	00 P 00/0	0 A C G		s Le C CT(G GA(C eu G AA(00 - 00 00 - 00 00 - 00
GCGTCTTCCT ACCCATCTGC TCCCCAGAGG GCTGCCTGCT GTGCACTTGG GTCCTGGAGC CCTTCTCCAC CCGGATAGAT TCCTCACCCT CGCAGAAGGA TGGGTAGACG AGGGGTCTCC CGACGGACGA CACGTGAACC CAGGACCTCG GGAAGAGGTG GGCCTATCTA AGGAGTGGGA	GGAGAGGCCC (CTCTCCGGG (CTCTCCGGG	Me tĠluLeuThr ĠluLeuLeuL euValValMe tLeuLeuLeu ThrAlaArgL euThrLeuSe r <u>SerProAla ProProAlaCys</u> CCAGACACCC CGGCCAGAAT GGAGCTGACT GAATTGCTCC TCGTGGTCAT GCTTCTCTA ACTGCAAGGC TAACGCTGTC CAGCCGGCT CCTCCTGCTT GGTCTGTGGG GCCGGTCTTA CCTCGACTGA CTTAACGAGG AGCACCAGTA CGAAGAGGAT TGACGTTCCG ATTGCGACAG GTCGGGCCGA GGAGGACGAA	10 AspLeuår gValLeuSer LysLeuLeua rgaspSerHi sValLeuHis SerargLeu§ erGlnCysPr oGluValHis ProLeuProT hrProValLeu 301 GTGACCTCCG AGTCCTCAGT AAACTGCTTC GTGACTCCCA TGTCCTTCAC AGCAGTGCC AGAGGTTCAC CCTTTGCCTA CACCTGTCCT CACTGGAGGC TCAGGAGTCA TTTGACGAAG CACTGAGGGT ACAGGAAGTG TCGTCTGACT CGGTCACGGG TCTCCAAGTG GGAAACGGAT GTGGACAGGA	LeuProAla ValAspPheS erLeuGlyĞl uTrpLysThr GlnMetGluG luThrLysAl aGlnAspIle LeuGlyAlaV alThrLeuLe uLeuGluGly 401 GCTGCCTGCT GTGGACTTTA GCTTGGGAGA ATGGAAAACC CAGATGGAGG AGACCAAGGC ACAGGACATT CTGGGAGCAG TGACCCTTCT GCTGGAGGA CGACGGACGA CACCTGAAAT CGAACCCTCT TACCTTTTGG GTCTACCTCC TCTGGTTCCG TGTCCTGTAA GACCCTCGTC ACTGGGAAGA CGACCTCCT	ValMetalaa laargglygl nLeuglyPro ThrCysLeuS erSerLeuLe uglyglnLeu SerGlyglnV alargLeuLe uLeuGlyala LeuglnSerLeu 501 gTGATGGCAG CACGGGGACA ACTGGGACCC ACTTGCCTCT CATCCCTCCT GGGGCAGCTT TCTGGACAGG TCCGTCTCCT CCTTGGGGCC CTGCAGAGC CACTACCGTC GTGCCCCTGT TGACCCTGGG TGAACGGAGA GTAGGGAGGA CCCCGTCGAA AGACCTGTCC AGGCAGAGGA GGAACCCCGG GACGTCTCGG	110 LeuglyTh rGInLeuPro Proginglya rgThrThrAl aHisLysAsp ProAsnAlai lePheLeuSe rPheginHis LeuLeuArgG lyLysValArg TCCTTGGAAC CCAGCTTCCT CCACAGGGCA GGACCACAGC TCACAAGGAT CCCAATGCCA TCTTCCTGAG CTTCCAACAC CTGCTCCGAG GAAAGGTGCG AGGAACCTTG GGTCGAAGGA GGTGTCCCGT CCTGGTGTCG AGTGTTCCTA GGGTTACGGT AGAAGGACTC GAAGGTTGTG GACGAGGCTC CTTTCCACGC	150 PheLeuMet LeuValGlyG lySerThrLe uCysValArg ArgAlaProP roThrThrAl aValProSer ArgThrSerL euValLeuTh rLeuAsnGlu 701 TTTCCTGATG CTTGTAGGAG GGTCCACCCT CTGCGTCAGG CGGGCCCCAC CCACCAGAG TGTCCCCAGC AGAACCTCTC TAGTCCTCAC ACTGAACGAG AAAGGACTAC GAACATCCTC CCAGGTGGGA GACGCAGTCC GCCCGGGGTG GGTGGTGTCG ACAGGGGTCG TCTTGGAGAG ATCAGGAGTG TGACTTGCTC	lyu 190 801 CTCCCAAACA GGACTTCTGG ATTGTTGGAG ACAAACTTCA CTGCCTCAGC CAGAACTACT GGCTCTGGGC TTCTGAAGTG GCAGCAGGGA GAGGGTTTGT CCTGAAGACC TAACAACCTC TGTTTGAAGT GACGGAGTCG GTCTTGATGA CCGAGACCCG AAGACTTCAC CGTCGTCCCT Figure 8a
TCCAC	TCAGG 1	AAGGC TTCCG	200 30 1000 PC 1000 PC	spIle ACATT IGTAA	761nV 76AGG 76TCC	Leuse CTGAG	roSer SCAGC 3GTCG	-61yL 1666C 1000C
CCTTC GGAAG/	GGCCCCAGGA AGGATTCAGG CCGGGGTCCT TCCTAAGTCC	Thral a	erG1n(GCCAG CGGTC/	aG1nA9 ACAGG/ TGTCC	Serg], TCTGG, AGACC	JePhel TCTTCC AGAAGC	aValPi TGTCC(ACAGG(GTySel GGCTC CCGAG/
GGAGC	CAGGA	euLeu TCCTA AGGAT	gLeuS ACTGA TGACT	Lysal Aaggc TTCCG	InLeu AGCTT TCGAA	nAlaI TGCCA ACGGT	ThrA1 ACAGC TGTCG	hrThr CTACT GATGA
GTCCT	99900	tLeuL GCTTC GGAAG	SerAr AGCAG TCGTC	JuThr AGACC TCTGG	uG]yG GGGGC CCCC	ProAs CCCAA GGGTT	roThr CCACC GGTGG	aArgT CAGAA GTCTT
CTTGG	CCGCCTCCAT GGCGGAGGTA	ValMe GTCAT CAGTA	euHis TTCAC	tGAGG GGAGG CCTCC	yu LeuLe CTCCT	-ysAsp Aggat TCCTA	laProP CCCAC GGGTG	LY SerAT TCAGC AGTCG Figur
GTGC/ CACGT	00000	euVa1 TCGTG AGCAC	sVall TGTCC ACAGG	GINME CAGAT GTCTA	erSer CATCC GTAGG	aHisl TCACA AGTGT	ArgAT CGGGC GCCC	hrala CTGCC GACGC
CTGCT	CTAAG	euLeuL GCTCC \CGAGG	SerHi SerHi TCCCA	ysThr MAAACC TTTGG	sLeuS CCTCT CGAGA	Thral Thral	/alArg iTCAGG iAGTCC	SnPheT CTTCA GAAGT
GCTGC	AGAGO TCTCO	GTULE GAATT CTTA/	rgAsp GTGAC CACT	uTrpl ATGG/ TACC1	Thrc) ACTT TGAA(rgThr GGACC	uCys) CTGCC GACGC	Thras ACAA/ TGTTT
AGAGG	GTGCA CACGT	euThr TGACT ACTGA	CCTTC CGAAG	JGTJ ST JGGAGA	alyPro agaccc cTGGG	1nG1yA 1GGGCA 1CCCGT	ThrLe	euGlu TGGAG ACCTC
TCCC	CAGA/ GTCT	tG1ul	LysLe AAAC TTTG/	erLer	nLeu(ACTG(TGAC(Prog. CCAC/ GGTG1	JySer GGTCC CCAGG	yLeul ATTG1 TAAC/
TCTGC AGACG	CTGCC	Me AGAAT ATCTTA	euSer TCAGT	SpPheS CTTTA GAAAT	961 y 61 966 A C A	euPro TTCCT	AGGAG AGGAG ATCCTC	Jergi Jergi Jerge Jergi
ACCC/ TGGGT	101 TTGCCCCACC CTACTCTGCC CAGAAGTGCA AGAGCCTAAG AACGGGGTGG GATGAGACGG GTCTTCACGT TCTCGGATTC	00000	gVa7L AGTCC TCAGG	ValAs GTGGA CACCT	TaArç CACGĞ GTGCC	rg1n1 CCAGC GGTCC	LeuVé CTTGT GAACA	rgThr GGACT CCTGA
TTCCT	CCACC	CACCC	LeuAr CTCCG	roAla CTGCT GACGA	tAlaA GGCAG	11 JGTyTh JGGAAC JCCTTG	euMet TGATG ACTAC	oasna Aaaca TTTGT
GCGTC	TTGCC	CCAGA	ASE GTGAC CACTG	LeuF GCTGC CGACG	ValMe GTGAT CACTA	Leu TCCTT AGGAA	PheL TTTCC AAAGG	LeuPr CTCC GAGGG
 1	101	201	301	401	501	601	701	801

IleProGl yLeuLeuAsn GlnThrSerA rgSerLeuAs pGlnIlePro GlyTyrLeuA snArgIleHi sGluLeuLeu AsnGlyThrA rgGlyLeuPhe SerProThrH isProProTh rGlyGlnTyr ThrLeuPheP roLeuProPr oThrLeuPro ThrProValV alGlnLeuHi sProLeuLeu ProAspProSer AGCCCTGGTA TCGGGACCAT GTTTGGAGGT CCAGGGACCT GGTTTAGGGG CCTATGGACT TGTCCTATGT GCTTGAGAAC TTACCTTGAG CACCTGAGAA Proglypro SerArgArgT hrLeuGlyAl aProAspIle SerSerGlyT hrSerAspTh rGlySerLeu ProProAsnL euGlnProGl yTyrSerPro AGGACCTGGG AGTGCGTCCT GGGATCCTCG GGGCCTGTAA AGGAGTCCTT GTAGTCTGTG TCCGAGGGAC GGTGGGTTGG AGGTCGGACC TATAAGAGGA AGGGTTGGG TAGGAGGATG ACCTGTCATA TGCGAGAAGG GAGAAGGTGG GTGGAACGGG TGGGGACACC AGGTCGAGGT GGGGACGAA GGACTGGGAA GGTTCTCAGA CACTGCCGAC AGGGGAAATG SACGAGGTTG CGGGTGGGGA TGGTCGGGAG AAGATTTGTG TAGGATGTGG GTGAGGGTCT TAGACAGAGT CCTTCCCATT CCAAGAGTCT GTGACGGCTG TAGTCTCGTC AGATTCCTGG TCTGCTGAAC CAAACCTCCA GGTCCCTGGA CCAAATCCCC GGATACCTGA ACAGGATACA CGAACTCTTG AATGGAACTC GTGGACTCTT GACGTCTTTA AACGTTGAGT GACTAAGAGA TGTACGAGAA AAAGACACTA TTGAGACGTT TCCGGACCCG ACCGGACCGT TCCTGGACCC TCACGCAGGA CCCTAGGAGC CCCGGACATT TCCTCAGGAA CATCAGACAC AGGCTCCCTG CCACCCAACC TCCAGCCTGG ATATTCTCC TCCCCAACCC ATCCTCCTAC TGGACAGTAT ACGCTCTTCC CTCTTCCACC CACCTTGCCC ACCCCTGTGG TCCAGCTCCA CCCCTGCTT CCTGACCCT TCGTTATGAG TTAAGCTATC AGCAATACTC CTCTCAGAAA AAAAAAAAA TTTCTGTGAT AACTCTGCAA AGGCCTGGGC TGAAACCCAA CTTCAAATTC AAGGCCTTCC AAGGCCCCA CAAGATTTCC TACTTTCTCC TGAAACCCAA GTTCTAAAGG ATGAAAGAGG ACTTTGGGTT TTGGAACTCA GTCTTTTGTC TCTTTCCCAT TAAAGGAAAC GAAGTTTAAG TTCCGGAAGG TTGCGGGGGT ATAGTAAGAG TCACCCTGAG ACTAGGGTAT AAGAATTGTC TAGAAATGAG AACTCTTTAC TTATTCGAAA GAGAGTCTTT TTTTTTTTT TCGATAAAA AATTCGATAG TTCTAAACAC ATCCTACACC CACTCCCAGA ATCTGTCTCA GGAAGGGTAA AlaProTh rProThrPro ThrSerProL euLeuAsnTh rSerTyrThr HisSerGlnA snLeuSerGl nGluGly GTACATTATA AACCTTCAGA AGCTATTTTT ATCTTTACTC TTGAGAAATG AATAAGCTTT GACAACTGGA (CAGAAAACAG AGAAAGGGTA ATTTCCTTTG TTGGAAGTCT CTGCAGAAAT TTGCAACTCA CTGATTCTCT ACATGCTCTT ATCAGCATTG TCTCATGTAC AGCTCCCTTC CCTGCAGGGC GCCCCTGGGA TAGTCGTAAC AGAGTACATG TCGAGGGAAG GGACGTCCCG CGGGGACCTT CATGTAATAT AAAGGGATAC ACAGGACTGA AAAGGGAATC ATTTTTCACT TTTCCCTTAG TAAAAAGTGA TATCATTCTC AGTGGGACTC TGATCCCATA TTCTTAACAG ACCAGCCCTC AACCTTGAGT CTAAGGACC AGACGACTTG SATCGAGAAA CCAGATAAAA CCCTCTCTGA CTGCTCCAAC GCCCACCCCT CTAGCTCTTT GGTCTATTTT GGGAGAGACT TTCCCTATG TGTCCTGACT GTTGAACAGA CAACTTGTCT 1501 901 1401 1301 1601

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Figure 9

